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<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>	<b>ATTY DOCKET NO.</b>  <p style="text-align: center;">49584 (904)</p>	<b>SERIAL NO.</b>  <p style="text-align: center;">09/506,713</p>
<b>APPLICANT(S)</b> N. Mizutani, et al.		
<b>FILING DATE</b> 2/18/00		<b>GROUP NO.</b>

## UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
1/M	BA	WO 97/45184	4 12 97	GERMANY			NO

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

1/m	CA	EP 00 10 3058 - European Search Report

<b>EXAMINER:</b> V. Manoharan	<b>DATE:</b> 6/20/02
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Sheet 1 of 1

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT



ATTY DOCKET NO.

49584(904)

SERIAL NO.

09/506,713

APPLICANT(S) : N. Mizutani, et al

FILING DATE:

February 18, 2000

ART UNIT:

1764

## UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPR
Vh	AA	3,717,553	2/20/73	S. Otsuki, et al	202	158	
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## FOREIGN PATENT DOCUMENTS

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Vh	BA	EP 0 856 343 A1	8/5/98	EPO			
Vh	BB	10-76103	3/24/98	Japan			See English Abstract & Transla- tion of relevant passages

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

Vh	CA	"Handbook of Distillation Engineering", edited by Hirata Mitsuho and Yorimitsu Masahiro. Published by Asakura Shoten 10/20/66. PP. 332 & 333; 341 & 342. Partial Translation of Relevant Passages provided.
Vh	CB	"Properties of Perforated Trays Devoid of Downcomers", by Naoto Hashimoto and Sadao Masuda. Chemical Engineering, Vol 34, No. 1 (1970), PP. 567-571. Complete Translation provided.

Examiner: V. Garbano

Date:

6/28/02

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